Accessory | Battery Pack
*powerpack*point

HOFFRICHTER TECHNOLOGY FOR EASY BREATHING

Serial number

HOFFRICHTER GmbH delivers all its systems and devices with a serial number in order to ensure traceability. The serial number is indicated on the type label on the bottom of the device.

Please always specify the serial number in inquiries and complaints.

Conformity

CE 0123 The device complies with the requirements of the Guideline 93/42/EEC.

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01. Legend of Symbols

Type label information:

Observe safety-related guidelines

Applied part type BF

Electric safety class II (with protective insulation)

CE Declaration of Conformity

Manufacturer

Observe the Operating Instructions

Do not dispose of the device with normal domestic waste. For information on the proper disposal of the device, please contact your responsible customer service.

Before using your *powerpack*point battery, please thoroughly read these Operating Instructions. Keep these Operating Instructions at a safe place for immediate consultation, if necessary.

For the period stipulated by law, HOFFRICHTER GmbH warrants that the product is free from any defects provided it is used as intended.

HOFFRICHTER GmbH is not liable for any damage and consequential damage nor for any effects on the safety, reliability and performance of the device, if:

- manipulations, modifications, expansions, repairs and maintenance measures are carried out by persons not authorized by us to do so;
- use is made of accessories and spare parts which come from other manufacturers and have not been released by us for use with the *powerpack*point;
- the *powerpack*point is used in a way that is different from that described in the Operating Instructions;
- the hygiene and cleaning instructions contained in these Operating Instructions fail to be observed.

Safety Instructions

Prevention of hazards

1. Use the batteries only and exclusively in combination with the respiratory therapy device point. Please follow all instructions for the user relating to the battery and the therapy device.

2. Do not put the batteries into operation if they are damaged or fail to function properly. If that is the case, please immediately notify your local dealer.

3. Do not throw the battery pack into water or fire.

4. Do not expose the battery pack to high temperatures nor to direct sunlight.

5. Do not short-circuit the battery contacts.

6. Do not open the battery violently.

7. Keep the batteries and their connections away from metals since, otherwise, this might result in a short-circuit with the risk of fire.

8. Never heat up the battery to temperatures exceeding 60 °C (fire or explosion hazard).

9. Charge and recharge the battery only if it is connected to your CPAP device while in the standby mode.

10. If you do not use the batteries, keep them in their original packaging.

Preventing damage and prolonging the service life

- Do not expose the battery to unnecessary vibrations.

- Charge and recharge the batteries only at ambient temperatures ranging from 10 °C to 35 °C. The charging process is based on a chemical reaction: temperatures that are too low impair the reaction; temperatures that are too high prevent the batteries from being fully charged.

- Store the batteries under cool and dry conditions. If the batteries are exposed to high temperatures for an extremely long time, its natural discharging process is accelerated and its service life is shortened.

- While the battery pack is stored, its optimum charging condition is between 50 % and 75 %. If stored for a prolonged time period, the battery pack should be fully recharged every 6 months, in order to prevent it from discharging totally.

03. Intended Use

The ***powerpack***point is intended for providing the respiratory therapy device point with voltage.

The ***powerpack***point may only be used in combination with point devices prescribed for treating an obstructive sleep apnea syndrome (OSAS) in patients with a weight of 30 kg and higher.

The ***powerpack***point is a lithium-ion battery to be connected laterally to the respiratory therapy device point. Before using the device for the first time, charge the battery pack completely (see page 14). The usual charging time is approx. 5 hours. If the battery pack is fully charged, the respiratory therapy device point can be operated for approx. 8 hours. However, the actual operating time depends on the set parameters. Recharge the battery pack completely if you do not use it for a prolonged time period. To charge or recharge the ***powerpack***point, connect it to the respiratory therapy device point, which must be connected to the external power supply and be in the standby mode (indicated by the battery symbol on the display of the point).

The *powerpack*point is intended as autonomous voltage supply, to be used with the respiratory therapy device point.

The battery system is provided for supplying voltage in the following two cases:

1. Mobile mode

In the mobile mode, the batteries are the only source to supply the therapy device with power. In this case, the battery has a capacity ensuring operation of the therapy device of about 8 hours. After this time has elapsed, the therapy device must be connected to the external power supply to be recharged.

2. Power failure backup

The power failure backup function ensures safe operation without any therapy failures in regions with frequent power failures. In this case, the therapy device is operated through the external power supply system. In the event of a power failure, the therapy device automatically switches from the external power system to the battery mode without any interruption in the therapy. After power has been restored, the therapy device is again operated through the external power supply system, and the batteries will be recharged in standby mode.

04. Hints to be observed before starting

Before using the ***powerpack***point, please follow the instructions below in order to prevent potential hazards:

- Inside, lithium-ion batteries consist of highly aggressive materials.

- If the operating time of a battery is very short although the battery is fully charged, the battery is used up and must be replaced.

- It is normal that the battery heats up while being charged or used. The permissible ambient temperature is
  - o 10 °C to 35 °C while the battery is charged;
  - o 5 °C to 40 °C while the battery is in use; and
  - o – 20 °C to 50 °C while the battery is stored.

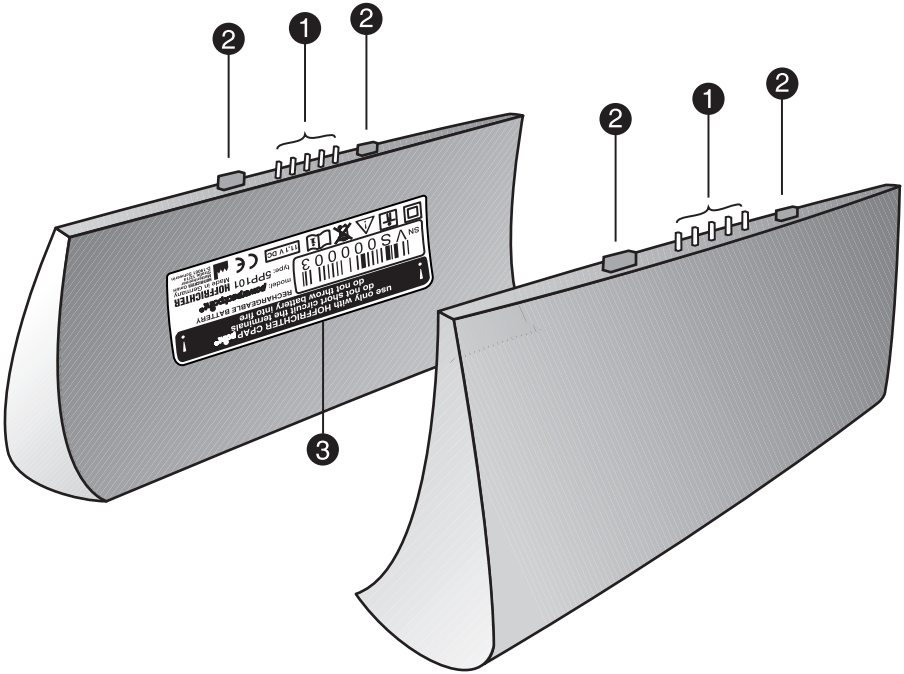
- The lower the ambient temperature, the longer the charging time.

- New batteries will not reach their full capacity before they have been charged/discharged three to four times.

- If you are in doubt about the charging condition of a battery, recharge the battery completely.

1. Contact pins
2. Centering tabs
3. Type label

*powerpack*point



06. Mounting the Batteries

Please carefully follow the steps below.

a. Attach one of the batteries of the ***powerpack***point to point. Ensure proper seating of the centering tabs and the contact pins.
b. Connect the ***powerpack***point to the respiratory therapy device by pressing it at its bottom in the direction of the arrow until it clicks into place (c).

Connect the second battery of the ***powerpack***point to the other side of the therapy device.

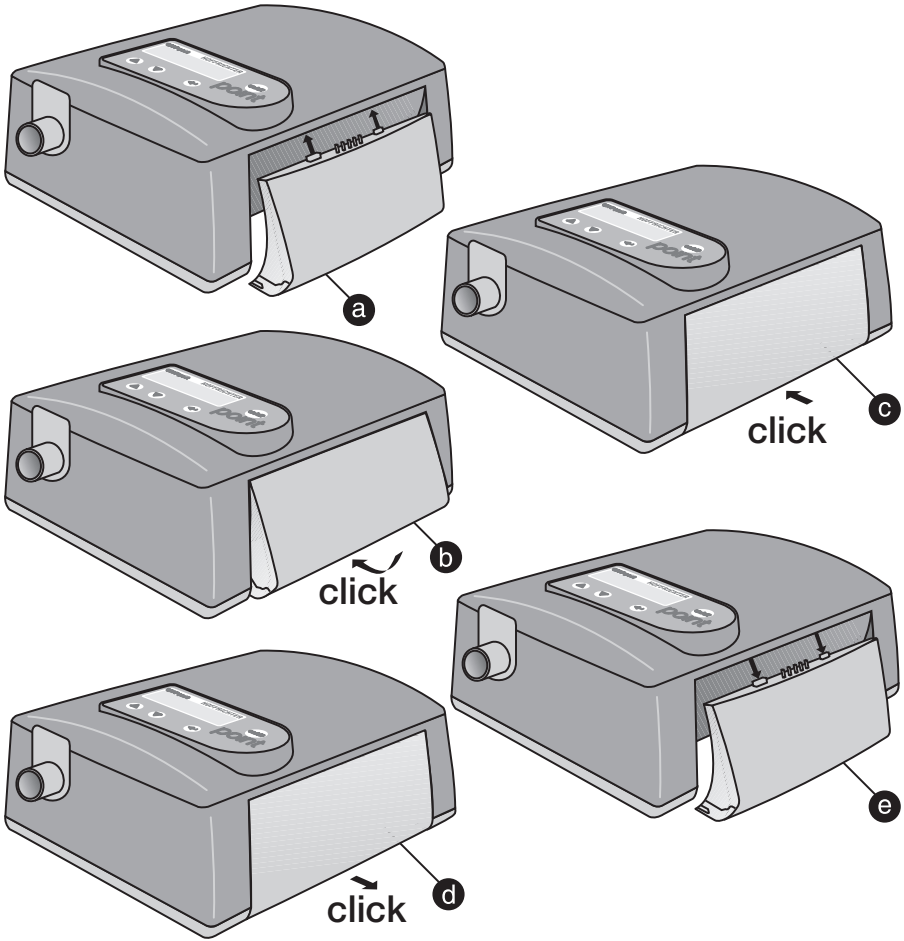
Note:
The respiratory therapy device is functioning properly only if both batteries are connected.

Disconnecting the ***powerpack***point

d. Pull one of the batteries of the ***powerpack***point off from point until you can feel resistance.
e. Remove the ***powerpack***point from the respiratory therapy device downwards in the direction of the arrow.

Remove the second battery of the ***powerpack***point from the other side of the therapy device.

powerpackpoint


a
click
c
click
b
e
click
d

07. Charging the Batteries

To charge and recharge the ***powerpack***point**,** connect the batteries to point as described in Chapter 5. Once the device is connected to the external power supply and has entered the standby mode, the charging process starts (indicated by the battery symbol on the display of point).

While the device is in the standby mode, the charging process takes about 5 hours.

- Battery discharged
- Battery charged for 25 %
- Battery charged for 50 %
- Battery charged for 75 %
- Battery charged for 100 %

In the battery mode, it is not possible to heat the therapy air with the humidifier. You can operate point with the ***aqua***point connected, but the therapy air remains cold.

Fully charge the ***powerpack***point and remove it if you do not use it for a prolonged time period.

To clean the *powerpack*point, remove the batteries from the respiratory therapy device.

Clean the batteries with a cloth slightly moistened with soapy water. Then use a dry cloth to wipe the batteries dry.
Please make sure the contact pins are completely dry before you re-fit the batteries to the therapy device.

Disposal of the *powerpack*point
For information on the proper disposal of the powerpack**, please contact your responsible customer service.**

09. Technical Data

Dimensions per battery (W x D x H)	160 x 36 x 70 mm
Weight per battery	approx. 300 g
Operating voltage per battery	11.1 V / DC
Capacity	2200 mAh
Product class according to MDD	IIa
Classification according to EN 60601-1	Safety class II, device type BF
Operating temperature	+ 5 °C ... + 40 °C
Storage temperature	– 20 °C ... + 50 °C

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Dealer's stamp